

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference ,GL217595/142	FOR FURTHER ACTION	see Notification of Tra (Form PCT/ISA/220)	ansmittal of International Search Report as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)  3 July 2003  (Earliest) Priority Date 3 July 2002		(Earliest) Priority Date (day/month/year)
PCT/NZ03/00140	3 July 2003	·	3 July 2002
Applicant A2 CORPORATION LIMITE	D et al		
This international search report has been preparticle 18. A copy is being transmitted to the	International Bureau.		is transmitted to the applicant according to
This international search report consists of a	total of 5 sheets.	. ) 	
It is also accompanied by a cop	y of each prior art documer	nt cited in this report.	
1. Basis of the report			
<ul> <li>a. With regard to the language, the which it was filed, unless other</li> </ul>	e international search was owise indicated under this ite	carried out on the basis or em.	of the international application in the language in
the international search w (Rule 23, 1(b)).	as carried out on the basis	of a translation of the int	ernational application furnished to this Authority
b. With regard to any nucleotide a carried out on the basis of the s		ce disclosed in the intern	ational application, the international search was
contained in the internation	onal application in written	form.	
filed together with the int	ernational application in co	mputer readable form.	
furnished subsequently to	this Authority in written fo	orm.	
[	this Authority in computer		
the statement that the sub application as filed has be	sequently furnished written een furnished.	sequence listing does no	ot go beyond the disclosure in the international
		uter readable form is ider	ntical to the written sequence listing has been
2. X Certain claims were found un	searchable (See Box I).		
3. Unity of invention is lacking (	See Box II).		
4. With regard to the title,	the text is approved as su	bmitted by the applicant	t.
	the text has been establis	hed by this Authority to	read as follows:
5. With regard to the abstract, X	the text is approved as su		
·	the text has been establis The applicant may, withis submit comments to this	n one month from the da	18.2(b), by this Authority as it appears in Box III. ate of mailing of this international search report,
6. The figure of the drawings to be pub			
	as suggested by the appli	icant.	X None of the figures
	because the applicant fai	led to suggest a figure	
7	because this figure better	characterizes the invent	tion

# INTERNATIONAL SEATCH REPORT

International application No.

PCT

3/00140

Box I	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	ernational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
<sup>2</sup> 1.	Claims Nos:
	because they relate to subject matter not required to be searched by this Authority, namely:
•	
2.	X Claims Nos: 13-15
J	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
	These claims are not limited to the technical features that define the invention. The invention is to a method of selecting and milking cows that have lower saturated/unsaturated fatty acid determined by their beta casein genotype. The invention extends to milk produced by the process. However, claims 13-15 are not limited to use of milk produced by the process defined by claim 1.
3.	Claims Nos :
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
·1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	c on Protest
	No protest accompanied the payment of additional search fees.

# A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: A01K 67/00, C07K 14/47, C12Q 1/68

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See electronic databases

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched See electronic databases

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS CA MedLine Agricola. beta casein, polymorphism/allele/variant, milk, fat, saturated/unsaturated.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96/36239 A1 (Corran Norman Stuart McLachlan) 21 November 1996	1-12, 16
A -	US 6451368 B1 (Robert B Elliott, and Jeremy P Hill) 17 September 2002	1-12, 16
A	Laugeson M and Elliott R. Ischaemic heart disease, type 1 diabetes and cow milk A1β-casein. The New Zealand Medical Journal, Jan 2003. 116(1168):1-19	1-12, 16

X	Further documents are listed in the continuation of Box C	X	See patent family annex
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- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 19 August 2003	Date of mailing of the international search report 2 AUG 消流
Name and mailing address of the ISA/AU	Authorized officer
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Gillian Allen Telephone No: (02) 6283

International application No.

PCT/3/00140

Relevant to claim No.
1-12, 16
1-12, 16
1-12, 16 -1785
on 1-12, 16
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## INTERNATIONAL SEARCH REPORT

Information on pater mily members

International application No.

PCT/NZ03/00140

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member
WO 96/36239	AU 55108/96,	
	CA 2217820,	~
	EP 0871366	
US 6451368	AU 39395/95,	
	CA 2204245,	·
	EP 0789842	
·	WO 9614577	

END OF ANNEX